



## Notice

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### Description FR2747107

The present invention relates to a cover package incorporating a spoon scoop on food powder.

Currently known systems on lid packaging the content for proper use, and requires the determination as such as ground coffee, chocolate drinks in the granule, the baby milk powder.

The powdered food to be several times is kept free from air and moisture in boxes of various shapes of metal, cardboard or plastic, the first opening is done by removing a cap, closures and openings taking place at the following using a cover separate metal or plastic.

These products have the following disadvantages or Ground coffee dosing requires to successfully complete the drink at the convenience of everyone, to do this there are scoops that are sold separately from the box of coffee.

Consumers can store the scoop inside the box in direct contact with the ground coffee can cover the handle part of the measuring its grip, the coffee powder on the fingers of the user and outside of the box or coffee filter.

In boxes of baby milk powder we always find a scoop, this one is contained inside the box, in direct contact with the food. The user is used to store the scoop at the same place where he has found.

Note that this is not hygienic because the handle of the held by the fingers of the hand is in direct contact with infant feeding. This lack of hygiene is even more glaring that all infant formula manufacturers warned to respect the maximum hygiene in food preparation to preserve the infant's health.

For the manufacture of the lid and scoop it is assumed that these are two different tools. The operations of introduction of the scoop in the box and then placing the cover are made in two successive and distinct.

The present invention seeks to overcome these disadvantages, it yields the following result: Make simple one-piece molding across a scoop and a lid comprising a housing intended for the storage of the scoop after use of air and LaBRI without direct contact with the food.

Fig 1: The play consists of the cover (1), belt (2) and scoop (3). This example is a form of box (4) cylindrical but one could imagine other types of boxes, the room (5) then having the same peripheral shape as the box cover. The cover (1) is attached to the belt (2) by a strip of material or one or more items online acting hinge (5) to close the lid (1) the belt (2).

The scoop (3) is maintained at the belt (2) by fasteners (6) thin at both ends. Traction performed on the scoop (3) allows to break ties (6) Fig 3 and to the measuring independent and usable. Ties (6) is a tamper-evident

Fig 2: The installation of the part (C) on the box (4) is performed by the belt (2). This one has a return of material (1) Fig 5 mooring permanently after passing the part (C) to the body of the box (4) in its upper peripheral part. We know of other principles to get the same result as gluing, welding.

In its closed position, Fig 5 before using the cover (1) is folded over the belt (2) by the action of the hinge (5) Fig 1. A so-called "tamper-evident" (12) Figure 5 gives both parties cover (1) belt (2) inseparable prevents opening before the withdrawal of the witness of sanctity.

Several systems are inviolable and can be implemented by non-limiting example: at a fixed point (18) Figure 7, peripheral band (12) Fig 5.

Fig 3: The scoop (3) removed from the belt (2) not blocking the removal of the cap (7). The inner diameter of the belt (2) being greater than the diameter of the cap (7). A housing (8) defined inside the cover (1) allows the storage of the measuring (3) after use. One or more pins (9) provide a sufficient support so that whatever the position of the cover (1) in space the scoop (3) can not get out of the slot (8). The shape of the housing (8) defined by its pin (9) identifies the direction of the measuring location (3).

Fig 4: A sufficient clearance around the location of the handle part (10) the scoop (3) promote and facilitate the gripping of the letter by its handle (10).

Fig 5: The height of the cover (1) and belt (2) is determined by the depth of the pod (3) so that if during installation of the play (0) Fig 1 on the box is at the top of the lid (7).

Fig 6: For a more flat lid can be achieved deformation (16) on the inside of the lid (7) so that the measure (3) falling below the plane defined by the edge of the box (17).

After removal of the cap (7) Fig 3 the pod (3) Fig 4 position in the storage cover (1) is absolutely above the level (15) Fig 6 fill the contents of the box.

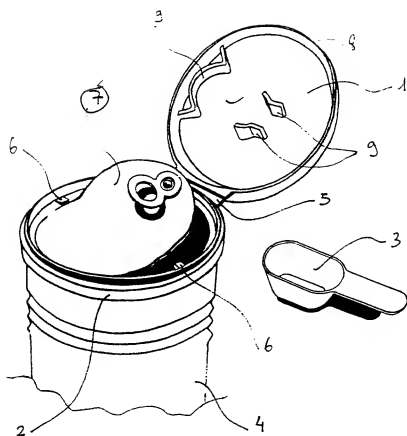
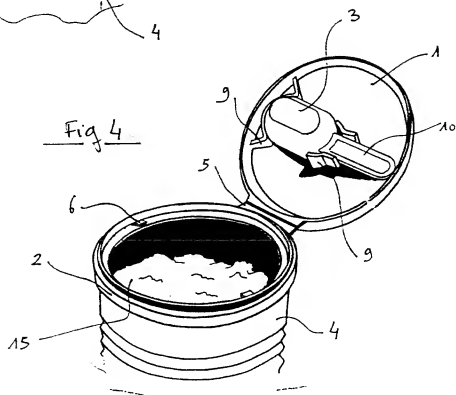
Fig 7: The closing of the box (4) after use and maintaining its closed position is obtained by the forced passage of a bead (13) carried on the periphery of the belt (2) continuously or occasionally in a groove (14) carried on the periphery of the cover (1). Provided that the belt (2) may receive the thrust (14) and cover (1) the bead (13) and an opening is also carried by the forced passage of said bead (13).

One can imagine a scoop of various forms in several parts assembled by the consommateur as long as all of these pieces fit inside of the belt in order to be molded.

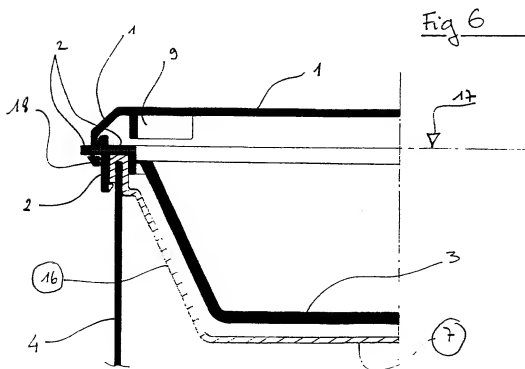
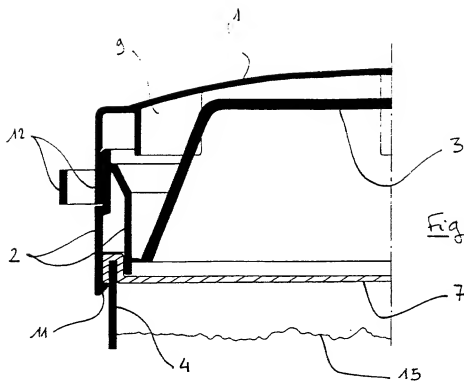
By extension we can imagine replacing the scoop by any other component for easy service, consumption or if use the contents of the box can be of a different nature than a food and a different form of the powder.



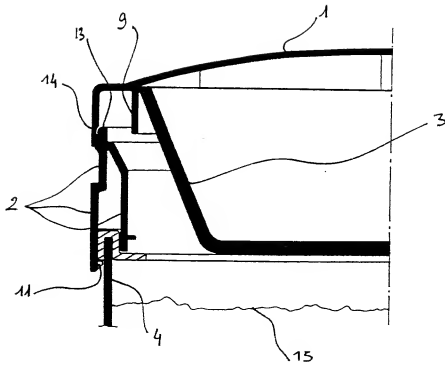
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Fig 3Fig 4

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Fig 7